Contents

Volume 188 (1987)

Research Papers	
Mutagenic bioassay of certain pharmacological drugs	
I. Thiabendazole (TBZ) (MTR 01150)	
by M.D.M. De Pargament, M.L. De Vinuesa and I. Larripa (Argentina)	1
Comparison of S9 fractions from rats, mice, and Chinese hamsters to metabolize dimethylnitrosamine and diethylnitrosamine to intermediates that induce sister-chromatid exchanges in V79 cells (MTR 01151)	
by S.R. Sirianni and C.C. Huang (U.S.A.)	7
Investigation of the mutagenic activity of tobacco smoke (MTR 01152)	
by R.M. Balansky, P.M. Blagoeva and Z.I. Mircheva (Bulgaria)	13
Correlation of the carcinogenic potential of di(2-ethylhexyl)phthalate (DEHP) with induced hyperplasia rather than with genotoxic activity (MTR 01153)	
by T. Smith-Oliver and B.E. Butterworth (U.S.A.)	21
Dominant lethal study of ribavirin in male rats (MTR 01154)	
by S.H. Hoffmann, M.J. Wade, J.A. Staffa, D.B. McGregor, M. Holmstrom and A.D. Dayan (U.S.A., Scotland and	
Great Britain)	29
Mutagenic activity of chloramines (MTR 01155)	
by E.L. Thomas, M.M. Jefferson, J.J. Bennett and D.B. Learn (U.S.A.)	35
Genotoxic effects of some organophosphorus pesticides	
II. In vivo chromosomal aberration bioassay in bone marrow cells in rat (MTR 01157)	
by P.K. Malhi and I.S. Grover (India)	45
Mutagenicity of bithionol sulfoxide and its metabolites in the Salmonella/mammalian microsome test (MTR 01158)	
by D. Mourot and A. Mourot (France)	53
Increased incidence of abnormal foetuses in the offspring of cyclophosphamide-treated male mice (MTR 01161)	
by P.C. Jenkinson, D. Anderson and S.D. Gangolli (Great Britain)	57
Series: 'Current Issues in Mutagenetis and Carcinogenetis', No. 1	
Bacterial assays of complex mixtures and carcinogenicity (MTR 01179)	
by B.L. van Duuren (U.S.A.)	63
0, 22 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	
Research Papers	
Evaluation of the genetic and embryotoxic effects of bis(tri-n-butyltin)oxide (TBTO), a broad-spectrum pesticide, in multiple in vivo and in vitro short-term tests (MTR 01156)	
by A. Davis, R. Barale, G. Brun, R. Forster, T. Günther, H. Hautefeuille, C.A. Van der Heijden, A.G.A.C. Knaap, R. Krowke, T. Kuroki, N. Loprieno, C. Malaveille, H.J. Merker, M. Monaco, P. Mosesso, D. Neubert, H. Norppa,	
M. Sorsa, E. Vogel, C.E. Voogd, M. Umeda and H. Bartsch (Switzerland, F.R.G., Finland, The Netherlands, Japan,	
Italy and France)	65
Bacterial mutagenicity of some methyl 2-cyanoacrylates and methyl 2-cyano-3-phenylacrylates (MTR 01159)	
by E.C. Rietveld, M.A. Garnaat and F. Seutter-Berlage (The Netherlands)	97
Mutagen levels in urine from snuff users, cigarette smokers and non tobacco users — A comparison (MTR 01160)	
by M. Curvall, L. Romert, E. Norlén and C.R. Enzell (Sweden)	105
Genotoxicity of amebicide and anthelmintic drugs in Escherichia coli pol A+/pol A- (MTR 01164)	
by J.J. Espinosa-Aguirre, C. Aroumir, M.T. Meza, E. Cienfuegos and C.C. De Nava (México)	111
Modifying role of dietary factors on the mutagenicity of aflatoxin B ₁ : In vitro effect of vitamins (MTR 01165)	
by R.K. Bhattacharya, A.R. Francis and T.K. Shetty (India)	121
Sister-chromatid exchange in spleenic lymphocytes of mice after exposure to nifurtimox or benznidazole (MTR 01162)	
by N.B. Gorla (República Argentina)	129
Induction of chromosome aberrations in lymphocytes of mice after subchronic exposure to benzene (MTR 01167)	
by K. Rithidech, W.W. Au, V.M.S. Ramanujam, E.B. Whorton Jr. and M.S. Legator (U.S.A.)	135
A comparative study of hepatic DNA repair, DNA replication and hepatotoxicity in the CD-1 mouse following	
multiple administrations of dimethylnitrosamine (MTR 01166)	
by D.I. Doolittle, G. Muller and H.E. Scribner (U.S.A.)	141

Cytogenetic analysis in workers occupationally exposed to nickel carbonyl (MTR 01163)	
by C. Decheng, J. Ming, H. Ling, W. Shan, X. Ziqing and Z. Xinshui (P.R. China)	149
(MTR 08648)	
by E. Madle, P. Kasper, S. Madle and G. Tiedemann (F.R.G.)	153
Investigations on DNA binding in rat liver and in Salmonella and on mutagenicity in the Ames test by emodin, a	200
natural anthraquinone (MTR 01178)	
by R. Bösch, U. Friederich, W.K. Lutz, E. Brocker, M. Bachmann and C. Schlatter (Switzerland)	161
Structure-activity relationships for unsaturated dialdehydes	
1. The mutagenic activity of 18 compounds in the Salmonella/microsome assay (MTR 01180)	
by O. Sterner, R.E. Carter and L.M. Nilsson (Sweden)	169
Comparison between aqueous-phase and gas-phase exposure protocols for determining the mutagenic potential of nitrogen dioxide and the gas fraction of welding fumes (MTR 01181)	
by N.W. Biggart and R.R. Rinehart (U.S.A.)	175
Mutagenicity of selected aniline derivatives to Salmonella following plant activation and mammalian hepatic activation	1/3
(MTR 01183)	
by J.M. Gentile, G.J. Gentile and M.J. Plewa (U.S.A.)	185
Genetic activity of trimethoprim in the Salmonella/microsomal screening system (MTR 01188)	
by S.A. Rasool, M.A. Khan, A.Z. Alvi and M.N. Umer (Pakistan)	197
Effect of histamine H2-receptor antagonist therapy on the mutagenic activity of gastric juice (MTR 01189)	
by H.J. O'Connor, S.E. Riley, A.T.R. Axon and R.C. Garner (Great Britain)	201
Mutagenicity testing of the juvenoid methoprene (ZR-515) by means of the Drosophila wing spot test (MTR 01186)	
by F. Marec, R. Socha and I. Gelbič (Czechoslovakia)	209
Relative genotoxicity of trichloroacetic acid (TCA) as revealed by different cytogenetic assays: bone marrow	
chromosome aberration, micronucleus and sperm-head abnormality in the mouse (MTR 01182)	
by S.P. Bhunya and B.C. Behera (India)	215
Effects of 5-bromo-2-deoxyuridine concentration and α -naphthoflavone on the association between smoking and the frequency of sister-chromatid exchanges in lymphocytes from maternal and cord blood (MTR 01184)	
by K. Lundgren, J.M. Lambert, D. Schreinemachers and R.B. Everson (U.S.A.)	223
Induction of mitotic micronuclei by X-ray contrast media in human peripheral lymphocytes (MTR 01185)	243
by Z. Parvez, M. Kormano, K. Satokari, R. Moncada and R. Eklund (U.S.A. and Finland)	233
Pesticide clastogenicity in Chinese hamster ovary cells (MTR 01177)	233
by M.F. Lin, C.L. Wu and T.C. Wang (Republic of China)	241
Implication of active oxygen species in the direct-acting mutagenicity of tea (MTR 01190)	
by E. Alejandre-Durán, A. Alonso-Moraga and C. Pueyo (Spain)	251
Reaction of chlorine dioxide with amino acids and peptides: Kinetics and mutagenicity studies (MTR 01191)	
by Hk. Tan, W.B. Wheeler and Ci. Wei (U.S.A.)	259
Mutagenic potency of some conjugated nitroaromatic compounds and its relationship to structure (MTR 01192)	
by C.A. Mullin, K.A. Rashid and R.O. Mumma (U.S.A.) Mutagenicity of 7H-dibenzo[c, g]carbazole and metabolites in Salmonella typhimurium (MTR 01194)	267
by R. Schoeny and D. Warshawsky (U.S.A.)	275
Chemical basis for photomutagenicity in synthetic fuels and correlation with carcinogenicity (MTR 01196)	213
by C.P. Selby, J. Calkins, H.G. Enoch, C.W. Wright and B.W. Wilson (U.S.A.)	287
Mutagenic evaluation of etintidine (BL-5641), a novel histamine H ₂ -receptor antagonist, using reverse mutation tests in	201
bacteria and forward mutation tests in V79 Chinese hamster cells (MTR 01199)	
by F. Ishida, H. Kondo, M. Fukushima and T. Kamei (Japan)	301
Effect of fagaronine on chromosome breaks and loss in Drosophila melanogaster (MTR 01197)	
by Y. Pérez-Chiesa, C.N. Cintrón and A. Rodríguez (U.S.A.)	307
Induction of sister-chromatid exchanges by pesticides in primary rat tracheal epithelial cells and Chinese hamster ovary	
cells (MTR 01200)	
by T.C. Wang, T.C. Lee, M.F. Lin and S.Y. Lin (Republic of China)	311
Morphological transforming activity and metabolism of cyclopenta-fused isomers of benz[a]anthracene in mammalian cells (MTR 01193)	
by N. Mohapatra, P. MacNair, B.J. Bryant, S. Ellis, K. Rudo, R. Sangaiah, A. Gold and S. Nesnow (U.S.A.)	323
Tests for urethane induction of germ-cell mutations and germ-cell killing in the mouse (MTR 01195)	343
by L.B. Russell, P.R. Hunsicker, E.F. Oakberg, C.C. Cummings and R.L. Schmoyer (U.S.A.)	335
Evaluation of the anti-inflammatory drug indomethacin, for its genotoxicity in mice (MTR 01198)	
by P.S. Devi and H. Polasa (India)	343
Contents, Vol. 188 (1987)	349-350

